* NOTICES *

1.This document has been translated by computer. So the translation may not reflect the original precisely.
2.**** shows the word which can not be translated.
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CLAIMS

[Claim(s)]
[Claim 1]A mobile communication terminal system comprising:
A mobile radio communication network.
The 1st and 2nd base stations that are connected to this mobile radio communication network, and form a service area of a predetermined range, respectively.
The 1st personal-information-management means that manages a user's personal information.
The 1st mobile communication terminal belonging to a service area which is provided with a personal information delivery means which sends out personal information managed by this 1st personal-information-management means via said 1st base station, and said 1st base station forms, The 2nd personal-information-management means that manages said user's personal information separately from said 1st personal-information-management means, A personal information reception means which receives personal information sent out by said personal information delivery means via said 2nd base station, The 2nd mobile communication terminal belonging to a service area which is provided with a personal information update means which updates personal information managed by said 2nd personal-information-management means based on personal information received by this personal information reception means, and said 2nd base station forms.

[Claim 2]The mobile communication terminal system comprising according to claim 1:
An Internet network as a data communication network connected mutually.
It has a data terminal which sends out personal information to said 2nd addressing to a mobile communication terminal via this Internet network, A data receiving means which receives said personal information from said data terminal via said Internet network while it is connected to said mobile radio communication network and said Internet network and said 1st and 2nd base stations form a service area of a predetermined range.
A data forwarding means to send out personal information received by this data receiving means via said mobile radio communication network to addressing to a mobile communication terminal corresponding to that address.

[Claim 3]The mobile communication terminal system according to claim 2, wherein said 2nd mobile communication terminal is provided with an interface function connected with said data terminal via a cable and said personal information is transmitted from said data terminal via said cable.
[Claim 4]The mobile communication terminal system according to claim 1 to 3 provided with an informing means which reports that to a user of said 2nd mobile communication terminal when said personal information is updated by said personal information update means.
[Claim 5]The mobile communication terminal system according to claim 1 to 4, wherein said personal information is schedule information which shows a user individual's schedule contents.
[Claim 6]When said personal information update means compares personal information received by said personal information reception means with personal information managed by said 2nd personal-information-management means and a schedule does not overlap, By or preparation information which specifies creation time of said personal information beforehand given to said personal information received by said personal information reception means and said 2nd

personal-information-management means. The mobile communication terminal system according to claim 5 updating personal information which compares preparation information given to personal information managed, and is managed by said 2nd personal-information-management means when said received personal information is new.

[Translation done.]

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DETAILED DESCRIPTION

[Detailed Description of the Invention]
[0001]
[Field of the Invention]This invention relates to the mobile communication terminal system which manages personal information, such as schedule information which shows the contents of a user's schedule, with respect to a mobile communication terminal system.
[0002]
[Description of the Prior Art]From the former, the function to manage a user's personal information is provided in personal digital assistants, such as a personal computer (below Personal Computer: abbreviates to a personal computer.), or PDA (Personal Digital Assistants), etc. This controlling function manages the information used with the software called PIM (Personal Information Manager), for example in individuals who show the contents of a user's schedule, such as schedule information, an address book, a memo, and alarm.
[0003]One of the controlling function of this has a schedule function which manages an individual schedule. In recent years, the mobile communication terminal as a terminal of mobile communications with remarkable spread has also come to be equipped with a schedule function by progress of integration art in recent years, mobile communication technology, etc.
[0004]A schedule function carries electronically the schedule book which performs schedule management, and manages the schedule information which consists of the days and months of an individual's schedule, time, the contents of the schedule, etc. For example, a month unit is made to display a calendar on indicators, such as a liquid crystal of a terminal, it is made to correspond to the time on this calendar, and schedule information is displayed. A user can match schedule information with a day or time selected on this calendar, and can register or delete it now. The user can check an individual schedule by referring to the schedule book managed electronically suitably, or can also generate alarms, such as a message, at the time of a designated date.
[0005]For example, in JP,10-111890,A "schedule control method and its device." It has a server and two or more mobile communication terminals provided with the schedule function mentioned above, and the art about the mobile communication terminal system which adjusted the schedule between the users of a mobile communication terminal is indicated.
[0006]That is, as a result of the server which received the schedule control request from a certain mobile communication terminal analyzing a schedule control request, the Request to Send of schedule free time data is sent out to an adjustment object person's obtained mobile communication terminal. Each mobile communication terminal distinguishes idle time from each user's schedule information, and replies it to a server, respectively. From each one of replied schedule idle time, a server performs schedule control and notifies a schedule control result after checking to each move belt communication terminal.
[0007]
[Problem(s) to be Solved by the Invention]However, since individual schedule information was individually managed with the mobile communication terminal or the personal computer, respectively, it was registering by a user inputting schedule information individually, respectively in the place where one has gone or the office. Thus, since the contents of the schedule information managed, for example on the personal computer in an office are not understood when the schedule is managed individually, there is a problem that the schedule which

overlapped with this with the mobile communication terminal currently carried in a place where one has gone may be registered. Since the contents of the schedule information managed with one mobile communication terminal are not similarly understood when one user uses two or more mobile communication terminals, for example, it overlaps with the mobile communication terminal of another side, and there is a problem that another schedule may be registered. The user itself needs to update manually the schedule information registered into the mobile communication terminal, individual management of while is carried out, respectively, and this is because schedule information cannot be made to reflect in the schedule information of another side.

[0008]Then, the purpose of this invention is to provide the mobile communication terminal system which can omit a user's time and effort and can always hold personal information, such as the newest schedule information.

[0009]

[Means for Solving the Problem]the invention according to claim 1 -- a (b) mobile radio communication network and (**) -- with the 1st and 2nd base stations that are connected to this mobile radio communication network, and form a service area of a predetermined range, respectively. (**) It has the 1st personal-information-management means that manages a user's personal information, and a personal information delivery means which sends out personal information managed by this 1st personal-information-management means via the 1st base station, The 1st mobile communication terminal belonging to a service area which the 1st base station forms, (**) The 2nd personal-information-management means that manages a user's personal information separately from the 1st personal-information-management means, A personal information reception means which receives personal information sent out by a personal information delivery means via the 2nd base station, It has a personal information update means which updates personal information managed by the 2nd personal-information-management means based on personal information received by this personal information reception means, and a mobile communication terminal system is made to possess the 2nd mobile communication terminal belonging to a service area which the 2nd base station forms.

[0010]To namely, a subordinate of the 1st and 2nd base stations that are connected to a mobile radio communication network and form a predetermined service area in the invention according to claim 1, respectively. It enabled it to transmit personal information in which self manages the 1st and 2nd mobile communication terminals that manage a user's personal information separately, respectively from the 1st mobile communication terminal in a system which carries out the whereabouts to the 2nd addressing to a mobile communication terminal via a mobile radio communication network. It was made to make the 2nd mobile communication terminal reflect in personal information which manages personal information from the 1st received mobile communication terminal at a self-terminal.

[0011]In the invention according to claim 2, with the mobile communication terminal system according to claim 1. It has an Internet network as a data communication network connected mutually, and a data terminal which sends out personal information to the 2nd addressing to a mobile communication terminal via this Internet network, While it is connected to a mobile radio communication network and an Internet network and the 1st and 2nd base stations form a service area of a predetermined range, It is characterized by having a data receiving means which receives personal information from a data terminal via an Internet network, and a data forwarding means to send out personal information received by this data receiving means via a mobile radio communication network to addressing to a mobile communication terminal corresponding to that address.

[0012]That is, in the invention according to claim 2, the 1st and 2nd base stations connected to this Internet network a data terminal represented by personal computer which sends out personal information to the 2nd addressing to a mobile communication terminal while making it further connected to an Internet network. A base station enabled it to perform acquisition and updating of personal information in the 2nd mobile communication terminal by sending out personal information received via an Internet network via a mobile radio communication network to the address.

[0013]In the invention according to claim 3, it is characterized by providing the 2nd mobile communication terminal with an interface function connected with a data terminal via a cable,

and transmitting personal information from a data terminal via a cable with the mobile communication terminal system according to claim 2.

[0014]Namely, since the 2nd mobile communication terminal was further equipped with data terminals, such as a personal computer, and an interface function which can carry out direct continuation via a cable in the invention according to claim 3, Acquisition and updating of direct personal information can be performed via a mobile radio communication network and an Internet network.

[0015]In the invention according to claim 4, with the mobile communication terminal system according to claim 1 to 3, when personal information is updated by personal information update means, it is characterized by having an informing means which reports that to a user of the 2nd mobile communication terminal.

[0016]In order to recognize the personal information newest each time, it becomes unnecessary that is, for a user to access no personal information in the invention according to claim 4, since it was made to report to a user whenever personal information managed with the 2nd mobile communication terminal was updated by personal information acquired from other terminals.

[0017]In the invention according to claim 5, it is characterized by personal information being schedule information which shows a user individual's schedule contents with the mobile communication terminal system according to claim 1 to 4.

[0018]Namely, in the invention according to claim 5, by applying also to management of a user individual's schedule, the contents of registration can be updated frequently and schedule management with the difficult management can be easily performed now.

[0019]In the invention according to claim 6, with the mobile communication terminal system according to claim 5. When a personal information update means compares personal information received by a personal information reception means with personal information managed by the 2nd personal-information-management means and a schedule does not overlap, Or when personal information which compared preparation information which specifies creation time of personal information beforehand given to personal information received by a personal information reception means with preparation information given to personal information managed by the 2nd personal-information-management means, and was received is new, It is characterized by updating personal information managed by the 2nd personal-information-management means.

[0020]Namely, when a schedule does not overlap renewal of personal information which shows schedule contents already registered into the 2nd mobile communication terminal by the invention according to claim 6, Or since it distinguished whether it was a new schedule on the basis of creation time of personal information, the more nearly newest schedule information is easily manageable.

[0021]

[Embodiment of the Invention]

[0022]

[Example]This invention is explained in detail per example below.

[0023]Drawing 1 expresses the outline of the composition of the mobile communication terminal system in one example of this invention. the [the 1st by which the mobile communication terminal system in this example is connected to the mobile radio communication network 10, the Internet (the Internet) network 11, and the mobile radio communication network 10 and Internet network 11 -] -- it has base station 12_1 of n - 12_n.

[0024]In the mobile radio communication network 10, communication by the signal of the predetermined format which passed the exchange station which does not illustrate between the mobile communication terminals represented by a car telephone and the cellular phone, or this mobile communication terminal and the fixed communication terminal represented by the ordinary subscriber telephone is performed.

[0025]As for Internet network 11, computer networks are connected mutually. Communication by the packet data of the predetermined format which passed the packet switching station which does not illustrate by the transfer unit called packet data is performed.

[0026]the [the 1st -] -- the [the 1st of the range / $_n$ / base station 12_1 of n - / 12 / corresponding to transmit radio wave intensity, installed environment, etc. respectively -] --

service area 14 $_1$ of n - 14 $_n$ are formed. the [the 1st -] -- base station 12 $_1$ of n - 12 $_n$ -- respectively -- the [the 1st -] -- let the mobile communication terminal in service area 14 $_1$ of n - 14 $_n$ be a subordinate. the [the 1st -] -- the [the 1st belonging to service area 14 $_1$ of n - 14 $_n$ -] -- mobile communication terminal 15 $_1$ of n - 15 $_n$ communicate between other mobile communication terminals or the fixed communication terminal which is not illustrated via the base station which has jurisdiction over each service area.

[0027]The personal computer 13 is connected to Internet network 11. More specifically, the personal computer 13 is connected with the internet server accommodated in Internet network 11. And the predetermined application program which operates on the personal computer 13 can send out packet data now via Internet network 11. By using this personal computer 13, packet data can be sent out to addressing to a mobile communication terminal of the subordinate of this base station via the base station connected to Internet network 11.

[0028]The packet data transmitted within Internet network 11 are making the predetermined format composition which consists of a header information part for identifying a transmitting agency and an address and performing routing control etc., and a data division by which the commo data itself is arranged. Therefore, by referring to the network address arranged at the header information part of the packet data transmitted in Internet network 11, a transmitting agency and an address are identified and packet data can be sent out to a desired address. Therefore, the network address where each mobile communication terminal 15 $_1$ - 15 $_n$ are peculiar respectively is assigned.

It is identified within Internet network 11, respectively.

The base station which is moreover an office recognizes the network address of a subordinate's mobile communication terminal beforehand.

[0029]The mobile communication terminal belonging to each service area is provided with the schedule function which manages the schedule information which consists of the days and months of the schedule which is the contents of each one of schedules as a user's personal information, respectively, time, and the contents of a schedule. The schedule information inputted into each mobile communication terminal by predetermined operation from the schedule information or each mobile communication terminal already registered can be sent out now to another mobile communication terminal via the mobile radio communication network 10. From the personal computer 13, a predetermined application program can send out schedule information now to each mobile communication terminal using the packet data transmitted in Internet network 11.

[0030]Drawing 2 expresses an example of the composition of the schedule information sent out to such each addressing to a mobile communication terminal. The schedule information 20 comprises the scheduling information 21, the schedule setting-out date time information 22, the message data 23, and the alarm classification 24.

[0031]The scheduling information 21 shows the creation date and time which created or registered the schedule newly with the mobile communication terminal or the personal computer. If "YYYY" and the creation moon are expressed for a creation year and "DD" and the created time are expressed for "MM" and a creation date as "hh/mm" (hh o'clock mm minute), the scheduling information 21 will turn into 6 bytes of information which consists of "YYYY/MM/DD/hh/mm."

[0032]The schedule date time information 22 shows the date time to which each schedule was set. For example, when performing schedule management by 30 minute units, it becomes 6 bytes of information which is the inaugural year days-and-months time of a schedule. Or when performing schedule management still in detail, it becomes 12 bytes of information which consists of 6 bytes which is the inaugural year days-and-months time of a schedule, and 6 bytes which is the end date time of a schedule. This shall be suitably chosen according to the schedule function which each mobile communication terminal system has. Here, in order to simplify explanation, the schedule date time information 22 shall be 6 bytes of former information.

[0033]The message data 23 is text data which shows the contents of the concrete schedules, such as business of the schedule, a place, a contact, a memo. Here, it has 60 bytes, for example.

[0034]The alarm classification 24 is a case where schedule time comes, and 4 bytes of information that alarm classification, such as a display, singing, and vibration, is specified as a user by reception of schedule information.

[0035]Such schedule information is received by radio with a subordinate's mobile communication terminal from each base station. The mobile communication terminal which received this can update schedule information, if it distinguishes being created newly as compared with the already registered schedule information.

[0036]Next, the important section of the mobile communication terminal system in such this example is explained. the [however, / the 1st -] -- base station 12_1 of n - 12_n shall be the respectively same composition, below, explain only 1st base station 12_1, and omit the explanation about other mobile terminal 12_2 - 12_n. the [the 1st -] -- it shall be composition with the same said of mobile communication terminal 15_1 of n - 15_n, and below, only 1st mobile communication terminal 15_1 is explained, and the explanation about other mobile communication terminal 15_2 - 15_n is omitted.

[0037]Drawing 3 expresses the composition important section of 1st base station 12_1 in this example. Antenna 30_1 for 1st base station 12_1 to transmit and receive a signal via a wireless circuit between 1st mobile communication terminal 15_1 of the subordinate belonging to 1st service area 14_1, It has wireless section 31_1 which performs the strange recovery and amplification of a signal which are transmitted and received via this antenna 30_1. Mobile radio communication network exchange section 33_1 in which 1st [further] base station 12_1 transmits and receives signal 32_1 in a mobile radio communication network of a predetermined format between the base station or exchange station in the mobile radio communication network 10 which does not illustrate, It has server 35_1 which transmits and receives packet-data 34_1 between the packet switches in Internet network 11 which are not illustrated.

[0038]Mobile radio communication network exchange section 33_1 is connected to the mobile radio communication network 10. When mobile radio communication network exchange section 33_1 receives the dispatch signal from 1st mobile communication terminal 15_1 via antenna 30_1, It changes into signal 32_1 in a mobile radio communication network corresponding to this, and sends out to the exchange station connected to the base station or fixed communication terminal of a higher-rank office of a mail arrival place. [of a mobile communication terminal] When mobile radio communication network exchange section 33_1 receives signal 32_1 in a mobile radio communication network which is a terminating signal via the mobile radio communication network 10, It sends out to the 1st addressing to mobile communication terminal 15_1 that is a mail arrival place as a radio signal of a predetermined format through wireless section 31_1 and antenna 30_1.

[0039]Server 35_1 is connected to Internet network 11. Server 35_1 extracts the commo data contained in packet data, when the packet data addressed to the mobile communication terminal of the subordinate of a local station are received via this Internet network 11. As for this commo data, the control information and Internet data for schedule information or Internet service offer are arranged at the data division of packet data. Server 35_1 sends out such extracted commo data from wireless section 31_1 and antenna 30_1 as a radio signal of a predetermined format to a subordinate's 1st mobile communication terminal 15_1 via mobile radio communication network exchange section 33_1.

[0040]1st base station 12_1 that enables such control has a central processing unit (below Central Processing Unit: abbreviates to CPU.) with which mobile radio communication network exchange section 33_1 controls the whole base station and which is not illustrated.

Various control can be performed now based on the control program stored in predetermined

memory storage, such as a call dedicated memory (Read Only Memory:ROM).

[0041]Drawing 4 expresses the outline of the contents of processing of the control program stored in such predetermined memory storage that is not illustrated. First, server 35_1 is made to supervise reception of packet data from Internet network 11 (Step S40). The identifier for identifying the kind of signal arranged beforehand at a data division is added to packet data by the prescribed position of a header information part or a data division.
The classification of the data arranged at the data division of packet data which received to server 35_1 is made to recognize.
When the packet data which server 35_1 received have been recognized to be schedule information (step S40:Y), the network address of the address of the header information part is extracted (Step S41).
[0042]In the mobile telecom terminal in this example, the telephone number and network address corresponding to the mobile communication terminal and this which are beforehand made into a subordinate, respectively are matched and recognized by position registration processing in each base station. So, it is searched with mobile radio communication network exchange section 33_1 of 1st base station 12_1 whether the mobile communication terminal used as the address of the packet data in which the schedule information received in the service area of a local station has been arranged carries out the whereabouts. And when the whereabouts was carried out into the service area of a local station and it is distinguished (step S42:Y), it changes into a predetermined signal format and transmits to the mobile communication terminal of an address via antenna 30_1 after abnormal conditions by wireless section 31_1 (Step S43).
[0043]When there was nothing into the service area of a local station and it is distinguished at Step S42, judge that the already registered location registration information is old, location registration information is made to update by position registration processing (Step S44), and a series of processings are ended (end).
[0044]When the packet data which server 35_1 received at Step S40 have been recognized not to be schedule information (step S40:N), the arrival addressed to a subordinate's mobile communication terminal is made to supervise by mobile radio communication network exchange section 33_1 (Step S45). An identifier for a terminating signal to identify the voice communication signal at the time of a telephone call and schedule information by the signal format decided beforehand is added.
Mobile radio communication network exchange section 33_1 can recognize the classification of a terminating signal which received now.
Then, when the terminating signal which mobile radio communication network exchange section 33_1 received has been recognized to be schedule information (step S45:Y), the mail arrival place contained in a terminating signal is extracted (Step S46). Then, it is searched with mobile radio communication network exchange section 33_1 whether the mobile communication terminal corresponding to the telephone number of the mail arrival place of schedule information which received in the service area of a local station carries out the whereabouts. And when the whereabouts was carried out into the service area of a local station and it is distinguished (step S42:Y), it changes into a predetermined signal format and transmits to the mobile communication terminal of an address via antenna 30_1 after abnormal conditions by wireless section 31_1 (Step S43).
[0045]When the terminating signal which mobile radio communication network exchange section 33_1 received has been recognized not to be schedule information at Step S45 (step S45:Y), a series of processings are ended (end).
[0046]Next, 1st mobile communication terminal 15_1 that receives the schedule information extracted in such 1st base station 12_1 and that carries out the whereabouts to 1st service area 14_1 is explained.

[0047]Drawing 5 expresses the composition important section of 1st mobile communication terminal 15 $_1$ in this example. 1st mobile communication terminal 15 $_1$ Antenna 50 $_1$, Wireless section 51 $_1$, and loudspeaker 52 $_1$ and microphone 53 $_1$ for telephoning to other mobile communication terminals via antenna 50 $_1$ and wireless section 51 $_1$, It has final controlling element 55 $_1$ for performing dispatch to indicator 54 $_1$ and other terminals by a user, arrival from other terminals, or access to schedule information. 1st mobile communication terminal 15 $_1$, Reporting part 56 $_1$ which reports that to a user when it is the schedule information which the signal which passed antenna 50 $_1$, and was restored to which and amplified by wireless section 51 $_1$ mentioned above, Comparing element 57 $_1$ which distinguishes whether this schedule information should be updated, External connector 58 $_1$ for performing access to schedule information between the external devices which are not illustrated, External IF part 59 $_1$ which has an interface (below Interface: abbreviates to IF.) function between self-terminals with this external connector 58 $_1$, It has memory 61 $_1$ which stores a program, a processing result, etc. for performing control by CPU60 $_1$ which controls the whole mobile communication terminal 15 $_1$ of these 1st, and schedule information and CPU60 $_1$.

[0048]Antenna 50 $_1$ transmits and receives a signal via a wireless circuit between 1st base station 12 $_1$ that is a higher-rank office. Wireless section 51 $_1$ performs the strange recovery and amplification of a signal which are transmitted and received via antenna 50 $_1$. Loudspeaker 52 $_1$ and microphone 53 $_1$ are used for the voice response and voice input for the voice communication at the time of a telephone call. A self-terminal displays [of a service area / the outside of the circle or within the circle], or indicator 54 $_1$ displays the variety of information in connection with a mobile communication terminal besides the existence of mail arrival, or the schedule information mentioned above. Final controlling element 55 $_1$ receives operation of various setting out of the operation at the time of the telephone call by a user, a schedule function, etc. Reporting part 56 $_1$ is provided with at least one of the loudspeaker which reports the arrival of schedule information, a light emitting diode (Light Emitting Diode:LED), and vibrator. In the case of a loudspeaker, it is also possible to use also [$_1$ / which is used at the time of a telephone call / loudspeaker 52]. When the signal which comparing element 57 $_1$ received via antenna 50 $_1$ and wireless section 51 $_1$ is schedule information, This is compared with the schedule information registered by 1st mobile communication terminal 15 $_1$ stored in memory 61 $_1$, and it is distinguished whether it is the schedule information which it should be new or should be updated. External connector 58 $_1$ is a connector for carrying out direct continuation to the communication port of the personal computer 13, for example via an RS(Recommended Standard)-232C cable etc. External IF59 $_1$ has IF function according to IF specification adopted by external connector 58 $_1$.

[0049]Such 1st mobile communication terminal 15 $_1$ of composition has a schedule function which manages the schedule information which consists of the days and months, the time, and the contents of a schedule which are the contents of a user individual's schedule. This schedule function is controlled by CPU60 $_1$ according to the predetermined schedule management program stored in memory 61 $_1$ etc. By predetermined operation in final controlling element 55 $_1$, the schedule information managed can be displayed on indicator 54 $_1$, or can perform now various setting out of registration, deletion, etc. A user can be made to report schedule time by the loudspeaker 521, LED, vibrator, etc. reporting part 56 $_1$ based on schedule information.

[0050]1st mobile communication terminal 15 $_1$ can transmit now the schedule information

inputted by already registered schedule information and final controlling element 55 $_1$ to other mobile communication terminals. That is, 1st mobile communication terminal 15 $_1$ is changed into the signal format which was able to determine the schedule information to transmit beforehand to the mobile communication terminal of a transmission destination identified by a telephone number etc., and adds the identifier further distinguished from the voice communication signal at the time of a telephone call. Then, it transmits via a base station from wireless section 51 $_1$ and antenna 50 $_1$.

[0051]As for 1st mobile communication terminal 15 $_1$, it is possible for you to also make it reflected in the schedule information which receives the schedule information from other mobile communication terminals, and has already been registered into the self-terminal. Therefore, in 1st mobile communication terminal 15 $_1$, the input signal received via the wireless circuit distinguishes whether it is the voice communication information at the time of a telephone call, or it is the schedule information shown in drawing 2 from 1st base station 12 $_1$ that is a higher-rank office. When it is distinguished that it is schedule information, As compared with the schedule information already registered into the terminal, you distinguish whether it is the schedule information which it should be new or should be updated, and make it reflected in new or the schedule information registered into the self-terminal when it is the schedule information which should be updated.

[0052]In such 1st mobile communication terminal 15 $_1$, updating which CPU60 $_1$ mentioned above to the schedule information similarly stored in memory 61 $_1$ based on the control program stored in memory 61 $_1$ can be performed now.

[0053]Drawing 6 expresses the outline of the contents of processing of the control program stored in memory 61 $_1$. CPU60 $_1$ supervises the input signal from 1st base station 12 $_1$ that is a higher-rank office, and distinguishes the voice communication signal at the time of a telephone call, and schedule information with reference to the identifier added to the signal format decided beforehand (Step S70). An input signal is supervised again, without performing this schedule update process, when an input signal was not schedule information and it is distinguished (step S70:N). On the other hand, when it is distinguished that an input signal is schedule information (step S70:Y), the schedule information shown in drawing 2 is extracted from the input signal decided beforehand (Step S71), and it once stores in memory 61 $_1$ (Step S72).

[0054]Then, it is made to distinguish in comparing element 57 $_1$ whether the schedule information which is stored in another field of memory 61 $_1$, and has already been registered at the self-terminal is searched, and the received schedule information overlaps with the already registered schedule (Step S73). And when it is distinguished that a schedule does not overlap but it is a new schedule (step S73:Y), You make it reflected in the schedule information registered at the self-terminal (Step S74), and reporting part 56 $_1$ reports that to a user, or that is displayed on indicator 54 $_1$ (Step S75).

[0055]When judged with the schedule overlapping at Step S73 on the other hand (step S73:N), A part for the date and time of creation of the schedule information already registered into another field of memory 61 $_1$ with reference to the preparation information of the schedule information shown in drawing 2, A part for the date and time of creation of schedule information which received is made to compare with comparing element 57 $_1$, and it makes it judge which to be the newest schedule information (Step S76). when judged with the direction of the received schedule information being the newest (step S76:Y), the schedule information already registered into memory 61 $_1$ should be updated, [judge and] It rewrites by the contents of the schedule information which received the contents of the schedule information registered (Step S76). Then, reporting part 56 $_1$ reports that to a user, or that is displayed on indicator 54 $_1$ (Step S75).

[0056]When the schedule information received at Step S76 is judged to be what was created before the schedule information already registered at the self-terminal (step S76:N), schedule

information is not updated but an input signal is supervised again (Step S70).

[0057]Further again 1st mobile communication terminal 15_1, Since it has external IF 59_1 and external connector 58_1, For example, it can connect with the communication port of the personal computer 13 by a RS-232C cable, the contents of the schedule information registered with the personal computer 13 can be made to be able to transmit, and the schedule information within a self-terminal can also be made to update like the comparison test processing mentioned above. This can perform [the renewal program of schedule information stored in the same memory 61_1 as the contents of processing shown in drawing 6] now the registration or updating of schedule information.

[0058]Thus, the mobile communication terminal system in this example connects two or more base station 12_1 in which it is connected to the mobile radio communication network 10, and each has a service area - 12_n, and Internet network 11. And while making mobile communication terminal 15_1 belonging to each service area - 15_n equipped with the schedule function which manages a user individual's schedule information, It enabled it to transmit the schedule information which each manages via a mobile radio communication network to other mobile communication terminals. It enabled it for the schedule function which operates on a predetermined application program to send out schedule information for schedule information also from the personal computer 13 to the mobile communication terminal of a mobile radio communication network by Internet network 11 course. Since the external connector etc. were provided in the mobile communication terminal, it is possible to also make schedule information transmit directly via Internet network 11 from a personal computer etc. Thus, the mobile communication terminal which acquired the schedule information transmitted from other terminals, When newer schedule information is acquired with reference to the schedule information already registered at the self-terminal, Or when schedule information, such as schedule time which is not yet registered, was acquired, it enabled it to make this reflect in the schedule information registered within the self-terminal. Thereby, the user can always perform schedule management based on the newest schedule information, without applying time and effort.

[0059]In the mobile communication terminal system in this example. When the schedule information acquired from other terminals with reference to the preparation information of the already registered schedule information at the self-terminal is a new schedule, Or when it was the schedule information of the schedule time which is not yet registered, he was trying to make this reflect in the schedule information of a self-terminal. However, even if a priority is provided in schedule information and it acquires new schedule information, it is also possible to make it not update accidentally or to emit alarm.

[0060]Although each explained with the mobile communication terminal system in this example again as what updates the schedule information from other terminals in the mobile communication terminal which has a schedule function, it is not limited to this. Each user can provide for the various function of the personal information which always needs the newest information.

[0061]Further, with the mobile communication terminal system in this example, although he was trying to send out schedule information via an Internet network from a personal computer, it is not limited to this. For example, what is necessary is just to be able to transmit schedule information from a data terminal to a mobile communication terminal via a different data communication network from a mobile radio communication network instead of an Internet network.

[0062]

[Effect of the Invention]Since the contents of the personal information by which separate management is carried out, for example in the place where one has gone or the office can be made to reflect according to the invention according to claim 1 or 2 as explained above, without applying a user's time and effort, the newest personal information can always be managed.

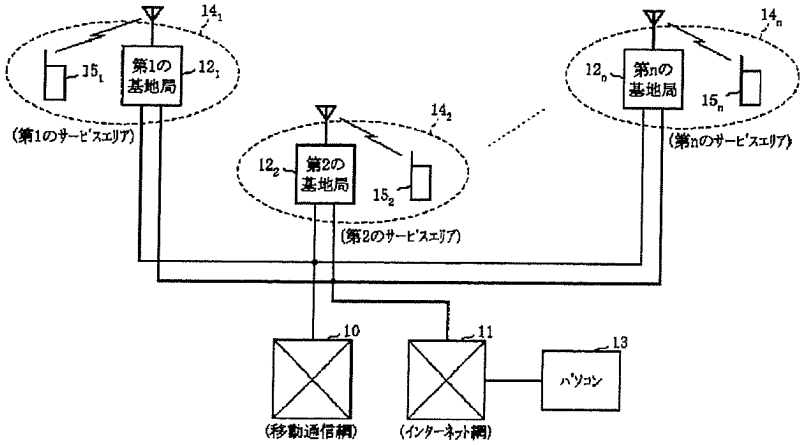
[0063]Furthermore, according to the invention according to claim 3, since it had data terminals, such as a personal computer, and an interface function which can carry out direct continuation

via the cable, the acquisition and updating of direct personal information can be performed via a mobile radio communication network and an Internet network.
[0064]In order to recognize the personal information newest each time, it becomes unnecessary according to the invention according to claim 4, for a user to access no personal information further again, since it was made to report to a user whenever the personal information managed at a self-terminal was updated by the personal information acquired from other terminals.
[0065]Furthermore, according to the invention according to claim 5, by applying also to management of a user individual's schedule, the contents of registration can be updated frequently and schedule management with the difficult management can be easily performed now.

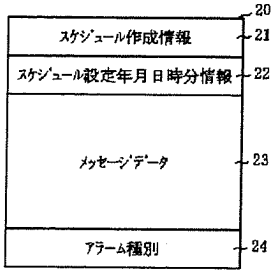
[0066]When a schedule furthermore does not overlap the renewal of personal information which shows the schedule contents already registered at the self-terminal according to the invention according to claim 6, Or since it distinguished whether it was a new schedule on the basis of the creation time of personal information, the more nearly newest schedule information is easily manageable.

[Translation done.]

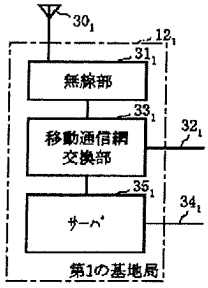
【図１】


第1の基地局
第2の基地局
第nの基地局
(第1のサービスエリア)
(第2のサービスエリア)
(第nのサービスエリア)
(移動通信網)
(インターネット網)
パソコン

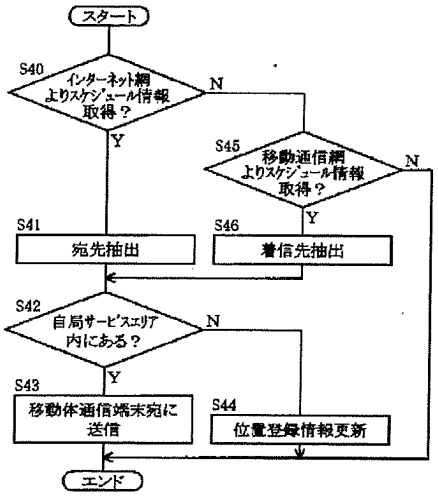
【図２】


スケジュール作成情報
スケジュール設定年月日時分情報
メッセージデータ
アラーム種別

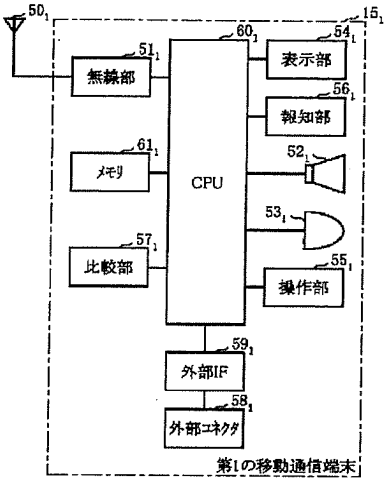
【図３】


無線部
移動通信網交換部
サーバ
第1の基地局

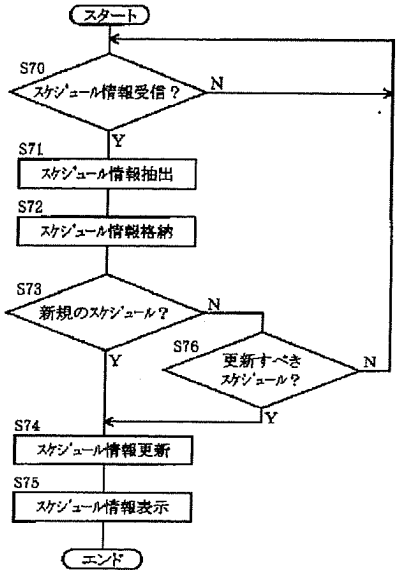
【図４】


スタート
インターネット網より スケジュール情報取得？
移動通信網より スケジュール情報取得？
宛先抽出
着信先抽出
自局サービスエリア内にある？
移動体通信端末宛に送信
位置登録情報更新
エンド

【図５】


無線部
CPU
表示部
報知部
メモリ
比較部
操作部
外部IF
外部コネクタ
第1の移動通信端末

【図６】



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KA05 KA07
5K033 BA13 DA06 DA19 DB18
5K067 AA21 BB21 EE23 FF02 FF03
FF05 HH17 HH23
5K101 KK00 LL05 LL12 NN01 NN11
NN21 NN36 NN37 SS07 TT02
9A001 BB02 BB03 BB04 CC03 CC05
DD09 DD10 JJ18 JJ25 JJ38
KK56